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ACC NR: AM5027755

Monograph

UR/

Gurevich, Viktor Zalmanovich; Demidov, Nikolay Alekseyevich

Electric heating units for ships (Sudovyye elektronagrevatel'nyye ustroystva) Leningrad, Izd-vo "Sudostroyeniye," 1965. 243 p. illus., biblio. 2700 copies printed.

TOPIC TAGS: ¹⁴ marine engineering, ship component, heat, air heater, heating engineering, shipbuilding engineering

PURPOSE AND COVERAGE: This book is intended for engineers and technicians in shipyards and planning organizations, as well as for qualified workers and students in schools of higher education and tekhnikums. In the book, material on the design, technical characteristics, and manufacturing technology of the basic elements of shipboard electric heating units is presented in systematized and generalized form. Electric heating units using tubular heaters are described, and requirements pertaining to shipboard heating units are given, along with the fundamentals of electrothermy. Various types of ship's galley ranges, heating elements, thermostats, oil and water heaters are also described. A method for making heat calculations for electric heaters is shown. The author acknowledges the assistance of engineers, V. I. Zalyukshnya, V. P. Fedina, G. A. Vl'yashkin, B. A. Serov, and A. F. Denisov in compiling the book.

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SUB CODE: 13.1 SUBM DATE: 10May65/ ORIG REF: 031/ OTH REF: 022

Card 3/3

DEMIDOV, N.F.; SOKOLOV, V.A.

Relationship between "Ladoga" and "Yatuliiskaya" formations along
the northern shore of Maloye Yanis'yarvi Lake. Izv.Kar. 1 Kol'.fil.
AN SSSR no.3:23-27 ' 58. (MIRA 11:12)

1. Otdel regional'noy geologii Karel'skogo filiala AN SSSR.
(Yanis'yarvi region--Geology, Stratigraphic)

DEMIDOV, N.F.; KRATTS, K.O.

Rhythmic bedding of the Ladoga shale stratum in southwestern
Karelia. Izv.Kar.1 Kol.fil.AN SSSR no.5:3-9 '58.
(MIRA 12:9)

1. Otdel regional'noy geologii Karel'skogo filiala AN SSSR.
(Karelia--Shale)

DEMIDOV, N.F.

Facies types of Proterozoic complexes in northern Karelia and
their geological relationships. Trudy Kar. fil. AN SSSR
no.26:81-92 '61. (MIRA 14:7)
(Karelia--Geology, Stratigraphic)

DEMIDOV, N.F.; SOKOLOV, V.A.

More about the relationship between the Jatulian and Laodegian
formations in the northern Lake Ladoga region. Trudy Kar.
fil. AN SSSR, no.26:112-118 '61. (MIRA 14:7)
(Ladoga Lake region—Geology, Stratigraphic)

DEMIDOV, N. I.

Demidov, N. I.: "Improve agriculture on state fur farms", Karakulevodstvo i zverovodstvo, 1949, No. 1, p. 51-55.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

DEVIDOV, N. I.

24197

DEVIDOV, N. I. Obratstvo provesti uborku urozhaya v zverosovkhozakh.
Karakulevodstvo i zverovodstvo, 1949, No. 4, S. 39-42.

• SO: Letopis, No. 32, 1949.

DEMLDOV, Nikolai Nikol'evich, 1888- ed.

A collection of problems in physics; for grades 8-10 of secondary schools
Izd. 12. Moskva, Gos. uchebno-pedagog. izd-vo, 1941. 127 p.

- I. Physics - Problems, exercises, etc.
- I. Volkova, Klavdiia Andreevna, 1897-

DEMIDOV, H. S., Engineer

Apr., GAZ imeni Molotov (-1945-)

"Multicutter Machining of Slender and Long Parts," Stanki
I Instrument, 16, Nos. 10-11, 1945

BR-52059019

~~L 27768-65~~ EWI(m)/EWP(b)/T/EWA(d)/EWP(w)/EWP(t) JD
ACCESSION NR: AT5003404 S/2776/64/000/038/0119/0122

AUTHOR: Demidov, N. N.; Kobozev, Yu. S.; Ovsyannikov, B. M.

TITLE: Development and application of contactless (in power circuits) furnace temperature control methods during creep and stress rupture strength tests

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'dkiy institut chernoy metal-lurgii. Sbornik trudov, no. 38, 1964. Novyye metody ispytaniy metallov, metal-lograficheskiye issledovaniya i mekhanicheskiye ispytaniya metallov (New methods in the analyses of metals; metallographic investigations and mechanical analyses of metals), 119-122

TOPIC TAGS: saturation choke, contactless temperature control, furnace tempera-ture, temperature regulation, creep test, stress rupture strength test, tester reliability

ABSTRACT: The authors investigated the possibility of introducing a more advanced contactless method of temperature control by means of a saturation choke which would enable the use of a centralized remote control system, eliminate substantial rheostat heat emission into the working area, and facilitate maintenance. In earlier papers, the design and employment of saturation chokes as a means of in-

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ductive coupling between the primary circuits of furnace heating elements and the control circuits had been discussed. The iron saturation choke has an A.C. coil on the outer cores and a D.C. excitation coil on the center core. The magnetic flux passes only through the outer cores. The A.C. voltage is not induced by the excitation coil. The furnace heating range lies between 300 and 800 C and the voltage is 0 for the initial 300 C and 25 v for the maximum temperature. The choke capacity is fully employed by connecting the choke to the primary circuit of the heating elements through an autotransformer whose transformation factor is equal to 2. Both are connected individually to each of the three sections of the furnace to provide accurate temperature control along the height of the working area. Light and sound signals indicate irregularities in the control system. The proposed system enhances the reliability of a test installation, cuts the cost of electric power and secures a more convenient and safer operation of the control panels. Orig. art. has: 1 figure.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii, Moscow (Central ferrous metallurgy scientific research institute)

SUBMITTED: 00

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OTHER: 000

Card 2/2

DEMIDOV, N.V., kand. vet. nauk

Experimental study of chemoprophylaxis of fascioliasis.

Trudy VIGIS 11:45-53 '64.

(MIRA 18:12)

DEMIDOV, N. V.

DEMIDOV, N. V. (All-Union Institute of Helminthology imeni I. I. Skryabin.) The role of the larvae of strongylus equinus in the pathology of the subgastric gland.

So: Veterinariya; 24; ⁹~~10~~; October 1947; Uncl.

TABCON

DEMIDOV, N. V.

USSR/Medicine - Carbon Tetrachloride, Administration and Dosage
Medicine - Helminthology

Aug 48

"Administration of Carbon Tetrachloride to Horses during Ascariasis and Strongyloidiasis,"
Prof V. S. Yershov, N. V. Demidov, Head Sci Collaborator, D. I. Papasyuk, All-Union
Inst of Helminthol imeni Acad K. I. Skryabin, 4 $\frac{1}{2}$ pp

"Veterinariya" No 8

Discusses subject in detail. Concludes that carbon tetrachloride is very effective
helminthic against subject diseases. When used correctly, it has no toxic effect on
horse.

PA 31/49T93

DEMIDOV, M. V.

"Epidemiology of Equine Strongylosis." Thesis
for degree of Can. Veterinary Sci. Sub. 15
June 49, Moscow Veterinary Academy.

Summary 62, 18 Dec 52, Dissertations Presented
For Degrees in Science and Engineering in Moscow in
1949. From Vechernyaya Moskva, Jan-Dec 1949.

POTEMKINA, V. A., GESELEVICH, YE., GRIGORYAN, G. A., DEMIDOV, N. V., PERKINOV, I. I.,
KRYUKOVA, K. A., PANASYUK, D. I., TYUNOV, V. I., SHKODIN, N. YE., SVESHNIKOVA, N. M.,
SUDARIKOV, V. YE.
DEMIDOV, N.V.

Parasites

Dissertations in helminthology, defended in 1949-1950. Trudy Gel'm. lab. no. 5, 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952. Unclassified.

DEMIDOV, N. V. and KOKUSEV, I. K.

"The More Important Helminthoses of Agricultural Animals and the Courses of their Elimination". Novgorod, 1952, 90 pages with illustrations (Novgorod Oblast Admin of Agriculture).

SOURCE: Veterinariya, Vol 30, No 7, July 1953; Trans # 155

DEVIDOV, N. V.

Pod'ozhnoye nutreneniye chetyrekhkhletnogo ugleroda pri fiziologicheskikh ispytaniyakh, "Works on Helminthology" on the 75th Birthday of K. I. Skryabin, Izdat, Akad. Nauk, SSSR, Moskva, 1953, page 226.

All-Union Inst. Helminthology im. Acad. K. I. Skryabin

DEMIDOV, N.V.

DEMIDOV, N.V., kand. vet. nauk.

Studying the biology of *Strongylus equinus* and the disease caused
by it. Trudy VIGIS 5:23-39 '53. (MIRA 11:1)
(Parasites--Horses) (Nematoda)

DEMIDOV, N. V.
Submitted :

DEMIDOV, N. V.

USSR/Medicine - Veterinary, Drugs; Fascioliasis

Card 1/1

Author : Demidov, N. V. Candidate in Veterinary Sciences

Title : New method of administration of carbon tetrachloride in the treatment of fascioliasis in sheep

Periodical : Veterinariya, 31, 16-18, Apr 1954

Abstract : Subcutaneous administration of ordinary commercial carbon tetrachloride in doses of 2-3ml, depending on body weight, proved to be just as effective against Fasciola as any other method. No serious local or general complications were noted in 1,018 sheep thus treated. Extensive use of subcutaneous method of administration of carbon tetrachloride can be recommended in the treatment of sheep that have fascioliasis.

Institution : All-Union Institute of Helminthology imeni Academician K. O. Skryabin

Submitted :

DEMIDOV, N. V.

USSR

Diffenotetrachloroethane and Filixan in sheep fascioliasis. N. V. Demidov. Veterinariya 32, No. 4, 29-32 (1955).--(CCl₄) is 100% effective against sheep fascioliasis and shows no toxic effects with exptl. animals (rabbits and sheep) at 0.3-0.6 ml./kg. Filixan (a biol. prepn. from fern) is 87.1% effective in fascioliasis of sheep when used at 0.1-0.2 g./kg.; it is also nontoxic.

G. M. Kosolapoff

DEMIDOV, N.V., kandidat veterinarnykh nauk; BUTORIN, F.S., kandidat veterinarnykh nauk.

Toluene as an anthelmintic in para-ascariasis in horses. Veterinariia
32 no.11:22-24 N '55. (MLA 8:12)

1.Vsesoyuznyy institut gal'mintologii imeni akademika K.I.Skryabina
(for Demidov).2.Yaroslavskiy sel'skokhozyaystvennyy institut (for
Buterin).
(TOLUENE) (ASCARIDS AND ASCARIASIS) (HORSES--DISEASES)

DEMI DOV N.V.

TERENT'YEV, F.A., professor; redaktor; MARKOV, A.A., redaktor; SOLOMKO,
N.N., redaktor; DEMIDOV, N.V., redaktor; USACHOVA, I.G., redaktor;
VESKOVA, Ye.I., tekhnicheskij redaktor

[Infections and parasites of cattle] Infektsionnye i invazionnye
bolezni krupnogo rogatogo skota. Moskva, Gos. izd-vo selkhoz. lit-ry,
1956. 630 p. (MIRA 10:1)
(Cattle--Diseases and pests)

DEMIDOV, N.Y.

Methods for controlling fascioliasis in animals. Veterinariia 34
no.10:33-38 0 '57. (MIRA 10:11)

1. Starshiy nauchnyy sotrudnik Vsesoyuznogo instituta gel'mintologii
imeni akad. K.I. Skryabina.
(Liver fluke) (Veterinary medicine)

DMIDOV, Nikolay Vasil'yevich

[Fascioliasis of domestic animals and methods of controlling it]
Fastsioloz domashnikh zhivotnykh i metody bor'by s nim. Moskva,
Gos. izd-vo selkhoz. lit-ry, 1958. 30 p. (MIRA 11:10)
(Distomatosis)

DEMIDOV, N. V.

Voprosy degel'mintizatsii sel'skokhoziaistvennykh zhivotnykh pri fastsiioze (Questions concerning the dehelminthization of agricultural animals infested with Fasciola). Review of the universal literature and of our own investigations. M., 1959, 152 pages (All-Union Academy of Agricultural Sciences imeni V. I. Lenin. All-Union Institute of Helminthology imeni Academician K. I. Skriabin). Price 5 r.; 2,500 copies.

DEMIDOV, N.V.

Experiment on large-scale application of difluorotetrachloroethane
(Freon 112) in fascioliasis of sheep. Trudy Gel'm. lab. 9:89-90
'59. (MIRA 13:3)
(Ethane) (Liver fluke) (Parasites--Sheep)

YERSHOV, V.S., doktor vetnauk, prof.; DEMIDOV, E.V., kand.vetnauk;
SARAFIY, S.V., doct.vetnauk

Prevention of helminthiasis in cattle with phenothiazine. Veterinariia
36 no.3:25-27 in 199. (MIRA 12:11)

1. Vsesoyuznyy institut parazitologii im. akademika K.I. Skryabina.
(Phenothiazine) (Worms, Intestinal and parasitic)

DEMIDOV, N.V., kand. vet. nauk; VESELOVA, T.P., kand. vet. nauk

Dehelminthization of cattle in fascioliasis. Veterinariia 36
no.12:12-13 D '59. (MIRA 13:3)

1.Vsesoyuznyy institut gel'mintologii imeni akad. K.I. Skryabina.
(Liver fluke)

DEMIDOV, N., starshiy nauchnyy sotrudnik, kand. vet. nauk

"Text-book on parasitology for veterinarians" by A. Borchert. [in German].
Reviewed by N. Demidov. Veterinariia 36 no.12:76-77 D '59.
(MIRA 13:3)

1. Vsesoyuznyy institut gel'mintologii im. akad. K.I. Skryabina.
(Veterinary parasitology)

DEMIDOV, N.V., kand.veterinarnykh nauk

Repeated use of carbon tetrachloride for sheep with
fascioliasis. Trudy VIGIS 7:40-42 '59. (MIRA 13:11)
(Carbon tetrachloride-- Therapeutic use)
(Liver flukes) (Sheep--Diseases and pests)

DEMIDOV, N.V., kand.veterinarnykh nauk; KAZAKOV, B.N., kand.
veterinarnykh nauk

Study of the influence of difluorotetrachlorethane on the
motor and secretory function of the gastrointestinal tract and
the enzyme composition of the intestinal juice in sheep.
Trudy VIGIS 7:43-52 '59. (MIRA 13:11)
(Ethane) (Digestive organs)

DEMIDOV, N.V., kand.veterinarnykh nauk

Survival of Fasciola eggs in winter. Trudy VIGIS 7:75-77
'59. (MIRA 13:11)

(Liver fluke)

DEMIDOV, N.V., kand.veterinarnykh nauk

Survey of works on helminthiasis in horses. Trudy VIGIS
7:92-105 '59. (MIRA 13:11)
(Horses--Diseases and pests) (Ascarids and ascariasis)

DEMIDOV, N.V., kand.veterinarnykh nauk

Effect of carbon tetrachloride on the motor function of the
gastrointestinal tract of sheep. Trudy VIGIS 6:195-202 '59.
(MIRA 15:5)

(Carbon tetrachloride—Toxicology)
(Gastrointestinal motility)

DEMIDOV, N.V., kand.veterinarnykh nauk

Testing fluke-killing and toxic properties of some synthetic
organic compounds. Trudy VIGIS 6:203-205 '59. (MIRA 15:5)
(Liver flukes) (Anthelmintics)

DEMIDOV, N.V., kand.veterinarnykh nauk; POTEKHINA, L.F., kand.biologicheskikh nauk

Effect of carbon tetrachloride and hexachloroethane on the preimaginal forms of Fasciola. Trudy VIGIS 6:206-211 '59.
(MIRA 15:5)

(Anthelmintics)

(Liver flukes)

DEMIDOV, N.V., kand.veterinarnykh nauk

Control of sheep fascioliasis on the Kirov State Farm in
Moscow Province. Trudy VIGIS 6:212-215 '59. (MIRA 15:5)
(Moscow Province—Liver flukes)
(Parasites—Sheep)
(Anthelmintics)

DEMIDOV, N.V., kand.veterinarnykh nauk; DERIPASKO, P.G., veterinarnyy vrach;
KOVALEV, G.V., veterinarnyy vrach

Application of difluorotetrachloroethane in cattle fascioliasis.
Trudy VIGIS 6:216-220 '59. (MIRA 15:5)

1. Groznenskoye oblastnoye upravleniye sel'skogo khozyaystva.
(Liver flukes) (Parasites--Cattle)
(Anthelmintics)

DEMIDOV, N.V., kand.veterinarnykh nauk; SOROKINA, V.V., veterinarnyy vrach

Clinical picture of monieziasis of lambs. Trudy VIGIS 6:266-268
'59. (MIRA 15:5)

(Moniezia)
(Parasites--Lambs)

DEMIDOV, N.V., kand. veter. nauk; GORJUNOV, V.V., mladshiy nauchnyy sotrudnik

Testing filisán in cattle farcioliasis. Trudy VIGIS 196-198
(MIRA 17:9)

DEMIDOV, N.V., doktor veter. nauk; BABYANSKAS, M.A. [Babyanskas, M.], kand.
veter. nauk; VISHNYAUSKAS, A.Yu. [Vishnyauskas, A.], starshiy
nauchnyy sotrudnik

Testing hexachlorophene in fascioliasis of sheep. Veterinariia
42 no.10:45-47 9 '65. (MIRA 18:10)

1. Vsesoyuznyy institut gell'mirtologii imeni akademika Skryabina
(for Demidov). 2. Litovskiy nauchno-issledovatel'skiy veterinarnyy
institut (for Babyanskas, Vishnyauskas).

AYUPOV, Khamit Valiyevich; DEMIDOV, Nikolay Vasil'yevich; BAYANOV, M.G.

dots.

[Liver helminthiases of farm animals] Pechenochrye gel'mintozy sel'skokhoziaistvennykh zhiivotnykh. Ufa, Bashkirskoe knizhnoe izd-vo, 1963. 49 p. (MIRA 18:7)

1. Bashkirskiy gosudarstvennyy universitet (for Bayanov).

FROLOV, F., DEMIDOV, O., aspirant

New equipment at the Tushino sewage treatment plant. Zhil.-kom.khos. 9
no.1:12-13 '59. (MIRA 12:3)

1. Direktor Tushinskoy stantsii aeratsii (for Frolov). 2. Akademiya kom-
munal'nogo khozyaystva.
(Tushino--Sewage--Purification)

DEMIDOV, O.V.

Modern designs of sand traps. Sbor. nauch. rab. AKKH no.6:
73-87 '61. (MIRA 15:3)

(Sewage--Purification)

DEMIDOV, O.V.

Methods of calculating sand traps and the results of experiments.
Nauch. trudy AKKH no.20:67-79 '63. (MIRA 18:12)

GUNBIN, Yu.; DEMIDOV, P.; KAZAKOV, M.

Selecting wetting agents. Pozh.delo 8 no.11:16-17 N '62.
(MIRA 15:11)

(Surface-active agents)
(Fire extinction)

DEMIDOV, P.; CHMYR', A.; SAZONOVA, Ye.

Effect of gamma rays on the technological properties of wheat
grain. Muk.-slev. prom. 28 no.12:3-4 D '62. (MIRA 16:1)

1. Odesskiy tekhnologicheskii institut im. Lomonosova.
(Wheat) (Gamma rays--Industrial applications)

ACG NR: AP6004513

(A)

SOURCE CODE: UR/0334/65/000/010/0013/0015

AUTHOR: Domidov, P.; Sklyarenko, A.; Orlova, V.

ORG: Odessa Technological Institut im. M. V. Lomonosov (Odesskiy tekhnologichoskiy institut)

TITLE: Effect of hydrothermal treatment of maize grain on quality and storability of corn meal and corn seed

SOURCE: Mukomol'no-elevatornaya promyshlennost', no. 10, 1965, 13-15

TOPIC TAGS: food technology, food preservation, water vapor, thermal process, processed plant product

ABSTRACT: A new method is described and figured for more efficient removal of the lipid-rich germ from the kernel, thus avoiding rancidness of the ground corn and permitting processing of the seed for oil production. Successive operations consist of hydrothermal treatment, hulling the grain, three-fold grinding by rollers with perpendicularly arranged grooves, and separation of the seed. Tests were conducted on 2 different varieties of corn. For a moisture content of up to 14% in the kernel, a vapor pressure of 2 atm and exposure of 6-7 minutes was found optimal; for moisture above 14%, 1.5 atm for 1-2 minutes was optimal. Heat and humidity weaken the bond between germ and endosperm, permitting easier separation during grinding, and the

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procedure results in a 7.5-7.8% increase in overall yield, 16% more seed, less lipid and ash content in the meal, increase in water-soluble substances, improved quality, shorter cooking period, and better aroma and color of the mush prepared from the grinds. Hulling increased yield by 4% and seed lipid content by 3-4%. Upon storing the seed for 3 months at 18-25 C, the acid number of the vapor-treated seed increased to a lesser degree than that of untreated seed. This process is thus judged to have a favorable effect on the quality of the lipids in the end products and on the seed and its stability under storage. Orig. art. has: 2 figures and 6 tables.

SUB CODE: 06,13/SUBM DATE: none

Card 2/2

DEMIYEV, P.A., dosent

Calcification of the palatine tonsil. Vest. otorin. 25 no. 5:96-97
S-O '63. (MIRA 17:4)

1. Iz Khirurgicheskoy bol'nitsy imeni N.A.Semashko, Moskva.

DEMIDOV, P. A.

Cand. Med. Sci.

"The Course of Otogenous and Rhinogenous Abscesses of the Brain in Pregnant Women," Vest. Oto-rino-laringol., No.3, 1948.

Otorhinolaryngol. Clinic im. L. I. Sverzhevskiy.

Obstetrics Gynecol. Clinic, 2nd Moscow Med. Inst. im. Stalin

Confinement Dept. 1st Gradsk Hosp.

DEMIDOV, P. A.

Multiple abscesses of the brain. Vest. otorinolar., Moskva
13 no.5:45-47 Sept-Oct 1951. (CJML 21:1)

1. Honored Physician RSFSR and Candidate Medical Sciences (Moscow).

DEMIDOV, P.A. (Moscow); EFRUSSI, M.M. (Moscow).

Basic principles in the use of hearing aids. Vest.oto-rin.15
no.6:10-13 N-D '53. (MLRA 7:1)
(Hearing aids, Mechanical)

DEMIIDOV, P.A.
KRASNOV, M.L., professor, zasluzhenny vrach RSFSR; MONYUKOVA, N.K.,
dotsent; DEMIDOV, P.A., zasluzhenny vrach RSFSR, kandidat meditsin-
skikh nauk.

Therapy of epiphora. Vest. oto-rin. 16 no.4:47-50 J1-Ag '54. (MLRA 7:8)
(LACRYMAL APPARATUS, diseases,
*epiphora, ther.)

DEMIDOV, P. A., inzh.

Work of the Scientific Council on the development of new equipment and technology in coal and ore mining. Ugol' Ukr. 6 no.10:4,8
0 '62. (MIRA 15:10)

(Ukraine—Mining research)

DEMIDOV, P. A.; MAYBORODA, I. S.

Coal industry of England (from "Colliery Guardian," nos. 5225,
5226 and 5227, 1961, nos. 5279 and 5278, 1962; "Gluskauf,"
no. 9, 1962). Ugol' Ukr. 7 no.4:43-44 Ap '63.
(MIRA 16:4)

(Great Britain—Coal mines and mining)

DEMIDOV, P.A., gorny inzh.

Conference in Donetsk of the Scientific Council on "Creation of new, more efficient machines and technology of coal and ore mining" in the State Committee of the Council of Ministers of the U.S.S.R. for the coordination of scientific research.
Ugol' 38 no.11:62-63 N '63. (MIRA 17:9)

DEMIDOV, P.A., gornyy inzh.

Research by the Scientific Council on the problem "Creation of new, more efficient machinery and technology for the mining of coal and ore." Ugol' 38 no.1:59-60 Ja '63.

(MIRA 18:3)

DEMIDOV, P.G.; POPOV, M.V.

Time and characteristics of the molting of the white hare in Yakutia.
Nauch. soob. IAFAN SSSR no.5:95-99 '61. (MIRA 14:12)
(Yakutia--Hares) (Fur)

VYRZHIKOVSKAYA, M.F., kandidat meditsinskikh nauk, zaveduyushchiy; DEMIDOV, P.G.,
glavnyy vrach; HEYNBERG, S.A., professor, nauchnyy rukovoditel', zasluzhennyy
deyatel' nauki.

Functional motor disorders of the duodenum. Klin.med. 31 no.9:60-64 S '53.
(MLRA 6:11)

1. Rentgenovskoye otdeleniye 4-y gorodskoy klinicheskoy bol'nitsy (for
Vyrzhikovskaya). 2. Chetvertaya gorodskaya klinicheskaya bol'nitsa (for
Demidov and Reynberg). (Duodenum--Ulcers)

ALEKSEYEV, M.V.; SMIRNOV, V.M.; DEMIDOV, P.G., redaktor; IOFFE, M.L.,
redaktor; PETROVSKAYA, Ye., tekhnicheskiy redaktor.

[Fire prevention in technological processes in connection with the
handling of liquid fuels and inflammables] Posharnaia profilaktika
v tekhnologicheskikh protsessakh, svyazannykh s obrashcheniem gorju-
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ACCESSION NR AM4008931

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biblio. Errata slip inserted. 12,200 copies printed.

TOPIC TAGS: combustion, fuel, combustion product, fuel oxidation, spontaneous
combustion, self ignition

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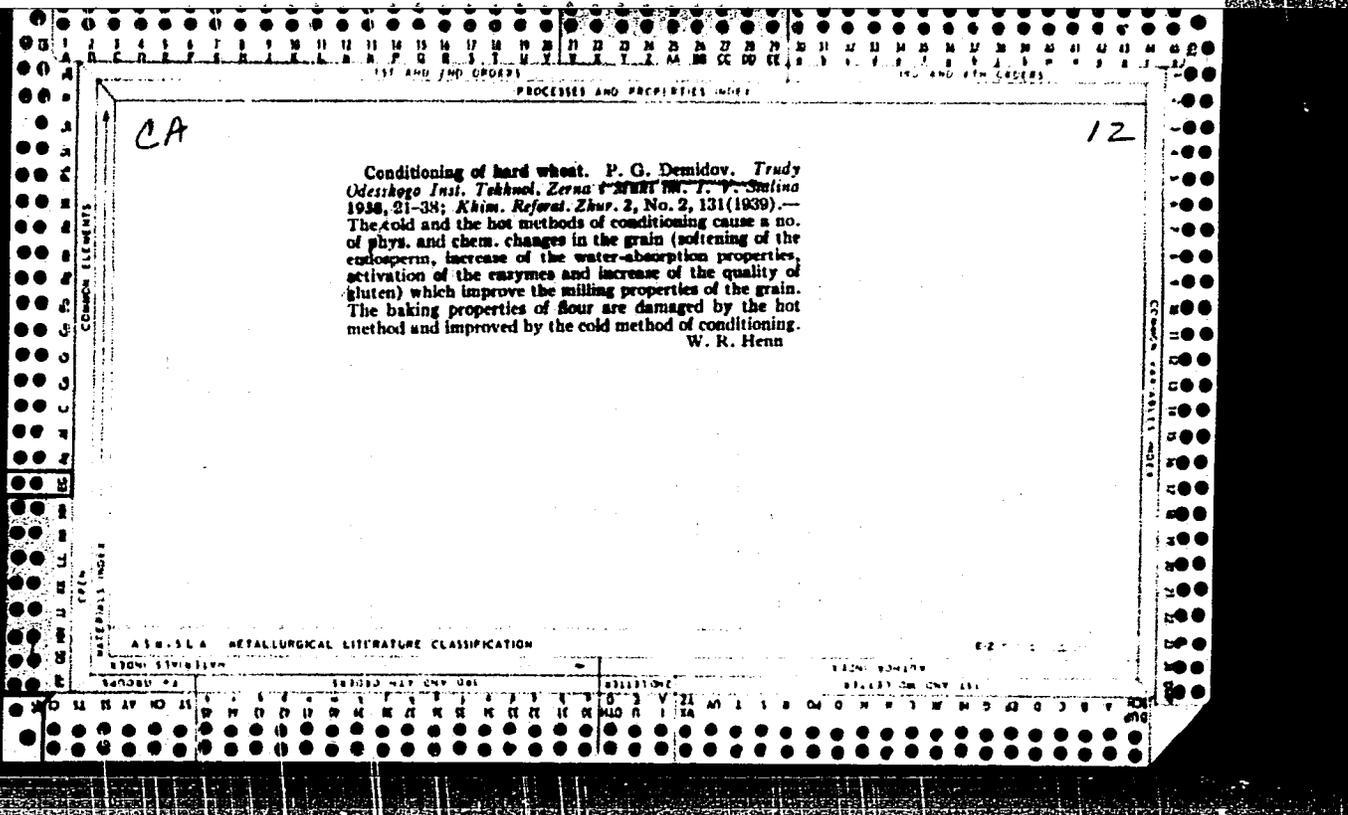
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no.7:43 JI '59. (MIRA 12:11)
(Dredging machinery) (Pontoons)

L 39712-66 EWP(k)/EWI(m)/EWP(t) IJP(c) JD/JG/GD-2

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AUTHOR: Grebennikov, R. V.; Chirkin, A. V.; Pereverzeva, R. K.; Vukolova, V. N.; Demidov, P. I.

ORG: none

18
B

TITLE: Effect of vanadium on the phase composition and structure of high-boron steel

SOURCE: Atomnaya energiya, v. 20, no. 2, 1966, 144-145

TOPIC TAGS: boron steel, high boron steel, steel machinability, machinability improvement, boron containing steel, alloy steel, vanadium containing steel

ABSTRACT: The effect of vanadium on the structure and machinability of high-boron steels has been studied. These steels have a low plasticity and machinability caused by a high content of boron phase of the M_2B type. The amount of this phase can be reduced by promoting formation of borides containing more boron per unit volume than M_2B . Nine heats containing up to 0.02% carbon, 0.47-20.4% chromium, 0-17.83% nickel, 2.88-3.46% boron and 0-11.2% V were tested. It was found that in the presence of vanadium, in addition to M_2B boride, a tetragonal M_3B_2 boride is formed whose quantity increases with increasing vanadium content. At 11% vanadium, the whole boride phase consists of M_3B_2 and the volume of the boride phase decreases by approximately 10%. The steel containing 3-3.5% boron and 7-11% vanadium can be easily machined with standard cutting tools. Orig. art. has: 2 figures and 1 table.

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